

**COPY**

MIT7759

**DECLARATION AND POWER OF ATTORNEY**

I, the below named inventor, hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **CONTROLLING THREADING DISLOCATION DENSITIES IN Ge ON Si USING GRADED GeSi LAYERS AND PLANARAZATION** the specification of which was filed with the United States Patent and Trademark Office on June 23, 1998, as Serial No. 09/106,672, which claims priority from provisional application Ser. No. 60/059,765.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby declare that all statements made herein based on my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint:

Maurice E. Gauthier	-	Reg. No. 20,798
Richard L. Stevens	-	Reg. No. 24,445
Matthew E. Connors	-	Reg. No. 33,298
Arlene J. Powers	-	Reg. No. 35,985
William E. Hilton	-	Reg. No. 35,192
Patrick J. O'Shea	-	Reg. No. 35,305

all of the firm of Samuels, Gauthier & Stevens, our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I request that all correspondence be directed to:

Samuels, Gauthier & Stevens, LLP  
225 Franklin Street, Suite 3300  
Boston, Massachusetts 02110

Attn: Matthew E. Connors

Eugene A. Fitzgerald

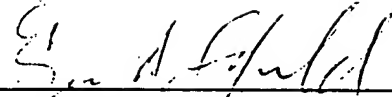
(Full Name of Inventor)

12 / 22 / 98

(Date)

U. S. A.

(Citizenship)



(Inventor's Signature)

7 Camelot Road

Windham, NH 02652

(Residence)

Same as Residence

(Post Office Address)

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PATENT  
Attorney Docket No. ASC-023C1**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Fitzgerald

SERIAL NUMBER: 09/611,024 ART UNIT: 2826

FILING DATE: July 6, 2000 EXAMINER: M. Tran

TITLE: Controlling Threading Dislocation Densities in Ge on Si Using Graded GeSi Layers and Planarization

Commissioner for Patents  
Washington, D.C. 20231

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**  
**REVOCATION OF PRIOR POWERS AND NEW POWER OF ATTORNEY**

As assignee of record of the entire interest of the above-identified application, all powers of attorney previously given are hereby revoked, and the following attorneys and/or agents are hereby appointed to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith.

Michael J. Bastian	Reg. No. 47,411	John D. Lanza	Reg. No. 40,060
Steven M. Bauer	Reg. No. 31,481	Kurt W. Lockwood	Reg. No. 40,704
Mark L. Beloborodov	Reg. No. 50,773	Bradley M. Marazas	Reg. No. P-51,997
John V. Bianco	Reg. No. 36,748	Leigh J. Martinson	Reg. No. 50,749
Robert S. Blasi	Reg. No. 50,389	Thomas C. Meyers	Reg. No. 36,989
Michael H. Brodowski	Reg. No. 41,640	Joseph B. Milstein	Reg. No. 42,897
Jennifer A. Camacho	Reg. No. 43,526	Ronda P. Moore	Reg. No. 44,244
Joseph A. Capraro, Jr.	Reg. No. 36,471	Jeremy Oczek	Reg. No. 50,794
Fangli Chen	Reg. No. P-51,551	Edmund R. Pitcher	Reg. No. 27,829
Christopher H. Chung	Reg. No. 50,351	Jamie H. Rose	Reg. No. 45,054
John J. Cotter	Reg. No. 38,116	David L. Schuler	Reg. No. 51,190
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Brian A. Fairchild	Reg. No. 48,645	Diana M. Steel	Reg. No. 43,153
John V. Forcier	Reg. No. 42,545	Joseph P. Sullivan	Reg. No. 45,349
Steven J. Frank	Reg. No. 33,497	Robert J. Tosti	Reg. No. 35,393
Kia L. Freeman	Reg. No. 47,577	Thomas A. Turano	Reg. No. 35,722
Christopher J. Frerking	Reg. No. 42,557	Natasha C. Us	Reg. No. 44,381
Brian M. Gaff	Reg. No. 44,691	Christine C. Vito	Reg. No. 39,061
Duncan A. Greenhalgh	Reg. No. 38,678	Patrick R.H. Waller	Reg. No. 41,418
Ira Heffan	Reg. No. 41,059	Daniel A. Wilson	Reg. No. 45,508
Danielle L. Herritt	Reg. No. 43,670	Gerald E. Worth	Reg. No. 45,238
Douglas J. Kline	Reg. No. 35,574	Yin P. Zhang	Reg. No. 44,372

☐ Attached as part of this power of attorney is the authorization of the above-named attorneys/agents to accept and follow instructions from my representatives.

Assignee also hereby grants additional Powers of Attorney to the attorneys and/or agents named above to file and prosecute foreign national patent applications in any and all countries of the world, a regional patent application under the European Patent Convention and/or an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

All future correspondence should be sent to:

**Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110**

Please change the attorney docket number from MIT7759CON to ASC-023C1.

The assignee of record of the entire interest of the above-identified application is

*Massachusetts Institute of Technology  
77 Massachusetts Avenue  
Cambridge, MA 02139*

☒ Recorded in PTO on January 14, 1999

Reel No.: 9715

Frame No.: 0435

☐ Recorded herewith

Respectfully submitted,

Dated: 8/5/02

By: Rita M. Filipowicz

Rita M. Filipowicz  
NAME

Patent Administrator  
TITLE